

- (1) Righting arm or moment curves.
- (2) Heeling arm or moment curves.
- (3) Cross curves of stability.
- (4) Floodable length curves.

§ 170.093 Specific approvals.

Certain rules in this subchapter require specific approval of equipment or arrangements by the Commandant, Commanding Officer, Marine Safety Center, or OCMI. These approval determinations will be made as a part of the plan review process.

[CGD 79-023, 48 FR 51010, Nov. 4, 1983, as amended by CGD 88-070, 53 FR 34537, Sept. 7, 1988]

§ 170.095 Data submittal for a vessel equipped to lift.

The following data must be submitted with the plans required by § 170.075 if the vessel is engaged in lifting and is required to comply with subpart B of part 173 of this chapter:

- (a) A graph of maximum hook load versus maximum crane radius.
- (b) A table of crane radius versus the maximum distance above the main deck to which the hook load can be raised.
- (c) A table showing maximum vertical and transverse moments at which the crane is to operate.

§ 170.098 Submittal of information for the carriage of bulk grain. [Reserved]

§ 170.100 Addresses for submittal of plans and calculations.

Except as provided in § 170.098, the plans, information, and calculations required by this subpart must be submitted to one of the following:

- (a) The Marine Inspection Office, in the zone where the vessel is to be built or altered.
- (b) Commanding Officer, U.S. Coast Guard Marine Safety Center, 400 Seventh St., SW, Washington, DC 20590-0001.

[CGD 79-023, 48 FR 51010, Nov. 4, 1983, as amended by CGD 85-048b, 51 FR 15498, Apr. 24, 1986; CGD 89-025, 54 FR 19572, May 8, 1989; CGD 96-041, 61 FR 50734, Sept. 27, 1996]

Subpart D—Stability Instructions for Operating Personnel

§ 170.105 Applicability.

(a) Except as provided in paragraph (b) of this section, this subpart applies to each vessel.

(b) This subpart does not apply to any of the following vessels unless the stability of the vessel is questioned by the OCMI:

- (1) A deck cargo barge that complies with the requirements in § 174.020 of this chapter.
- (2) A tank vessel that only carries a product listed in § 30.25-1 of this chapter and that is less than 150 gross tons.
- (3) A tank barge that—
 - (i) Operates only in rivers or lakes, bays, and sounds service;
 - (ii) Does not have to meet 33 CFR part 157, subpart B; and
 - (iii) Only carries a product listed in § 30.25-1 of this chapter.
- (4) A sailing school vessel that is an open boat that complies with the requirements in § 173.063(e) of this subchapter.

[CGD 79-023, 48 FR 51010, Nov. 4, 1983, as amended by CGD 83-005, 51 FR 923, Jan. 9, 1986; CGD 85-080, 61 FR 944, Jan. 10, 1996]

§ 170.110 Stability booklet.

(a) Except as provided in paragraph (e) of this section, a stability booklet must be prepared for each vessel, except for mobile offshore drilling units subject to the operating manual requirements of § 109.121 of this chapter.

(b) Each stability booklet must be approved by the Commanding Officer, Marine Safety Center.

(c) Each stability book must contain sufficient information to enable the master to operate the vessel in compliance with applicable regulations in this subchapter. Information on loading restrictions used to determine compliance with applicable intact and damage stability criteria must encompass the entire range of operating drafts and the entire range of the operating trims. Information must include an effective procedure for supervision and reporting of the opening and closing of all loading doors, where applicable.

(d) The format of the stability booklet and the information included will vary dependent on the vessel type and